



DEPARTMENT OF REGULATORY AND ECONOMIC
RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Trane US, Inc.
1515 Mercer Road
Lexington, KY 40511

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Trane Custom Climate Changer Air Handler Units

APPROVAL DOCUMENT: Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated October 30, 2014, signed & sealed by Scott Wolters, P.E., on October 30, 2014, bearing Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-0708.07 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
07/30/2015

NOA No. 14-1120.11
Expiration Date: 08/28/2018
Approval Date: 07/30/2015
Page 1

Trane US, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0530.02

A. DRAWINGS

1. *Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated July 29, 2008, signed and sealed by Scott Wolters, P.E., on July 29, 2008.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of Trane Custom Climate Changer Air Handler Unit, prepared by Hurricane Test Laboratory, Inc., Report No. 0254-0519-07, dated 02/18/2008, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Panel and fasteners analysis prepared by Wolters Engineering, Inc., dated May 12, 2008, signed and sealed by Scott Wolters, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. 11M-1295, prepared by QC Metallurgical, Inc., dated October 30, 2001.*
2. *Tape properties by SikaLastomer Technique.*
3. *Tape properties by Durace, Inc.*
4. *Rigid Froth-Foam properties from Foam Enterprises.*
5. *Salt Spray test per ASTM B117.*
6. *Industrial Polyurethane Adhesive/Sealant properties by Sikaflex.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0708.07

A. DRAWINGS

1. *Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated May 29, 2013, signed and sealed by Scott Wolters, P.E., on May 29, 2013.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*

Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-1120.11
Expiration Date: 08/28/2018
Approval Date: 07/30/2015

Trane US, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *FBC, 2010 conformance letter, dated May 29, 2013, signed and sealed by Scott Wolters, P.E., on May 29, 2013.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated October 30, 2015, signed and sealed by Scott Wolters, P.E., on October 30, 2015.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

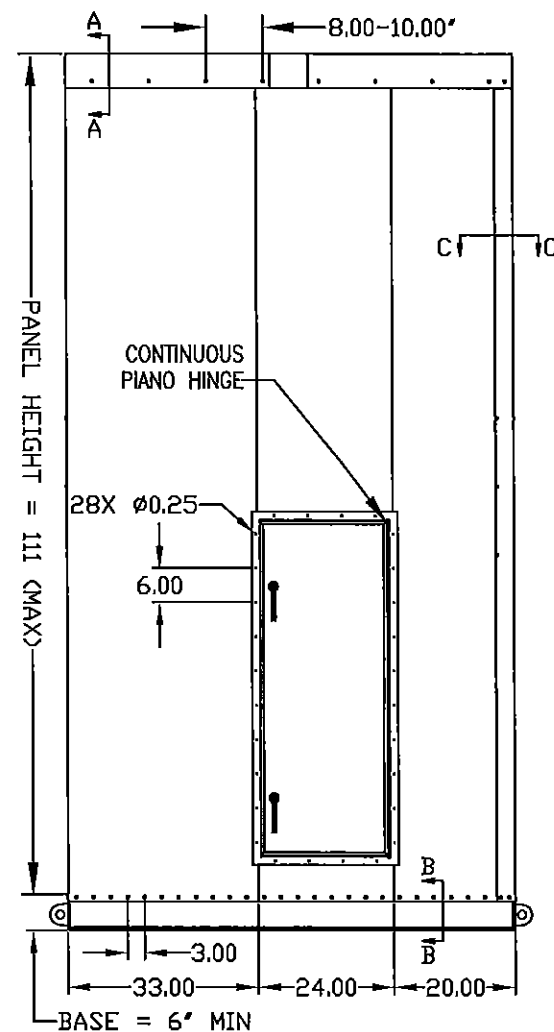
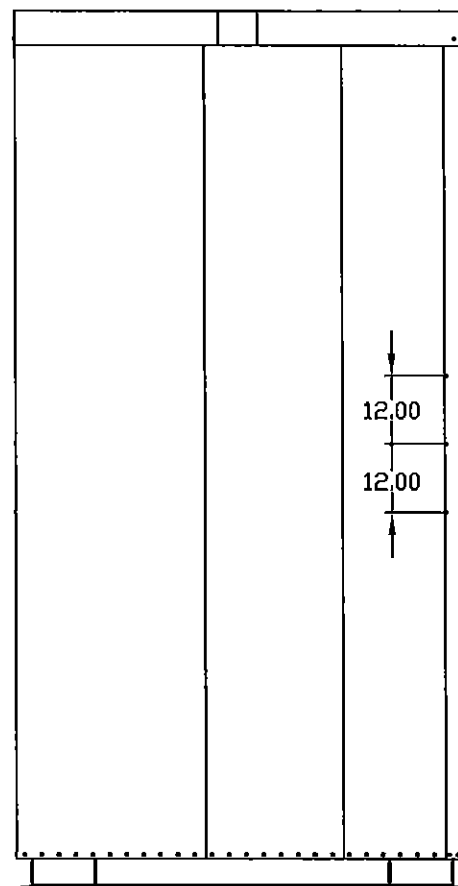
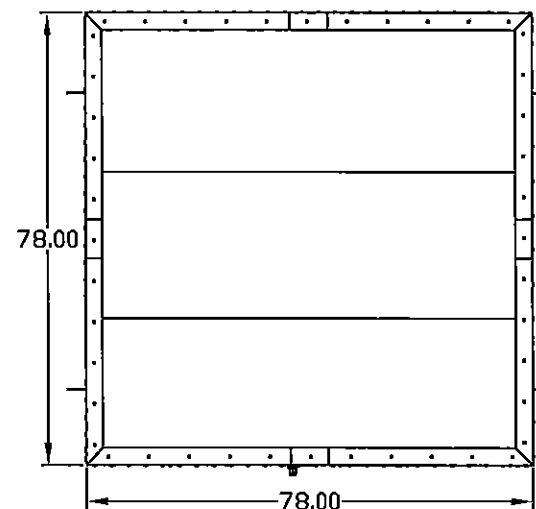
E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *FBC, 2014 conformance letter, dated April 20, 2015, signed and sealed by Scott Wolters, P.E., on June 10, 2015.*

Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-1120.11
Expiration Date: 08/28/2018
Approval Date: 07/30/2015



APPROVED MAX. SIZE FOR WALL PANELS
At design wind load of 100 PSF for foam
and 65 PSF for fiberglass

Wall 1,2,3 and 4 Foam (2" Thick) 33" x 111" 24" x 111" 20" x 111"	Wall 5 Fiberglass and Foam (4" Thick) 30" x 121"
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FASTENERS

Panels secured to the Base Structural Steel
Frame with 1/4" Hex Head, Zinc Plated,
Fasteners and Neoprene Washers
Self-Tapping 3.0" O.C.(MAX)

UNIT BASE

Fully Welded 0.123"(min.) Thick Structural U
Beam with intermediate U Beam Cross
Supports at 24" O.C.
(See notes Sht. 5)

UNIT FLOORS

Inner walk on Floor is
14 ga Steel

ACCESS DOOR (60H x 24W AND 48H x 30W)

20ga G-90 Galv. (Outer)
20ga G-90 Galv. (Inner)
ITM 4 Doors
2 Door handles- VENTLOK 260

Wall Construction Detail (wall 1 and wall 3)

Inner Skin 20 ga steel/Outer Skin 18 ga steel
Internal Stiffener Layout
33" wide panel contains 3 internal stiffeners
24" wide panel contains 2 internal stiffeners
18" wide panel contains 2 internal stiffeners
External Hat channels
Applied to door/opening seams only (wall 1)
No Hat channels for wall 3

WALL CONSTRUCTION DETAIL (4)

Inner Skin 20 ga steel
Outer Skin 18 ga steel
1 Stiffener per panel (Internal)
Hat Channels at external wall panel seams
Panel Widths: 33", 24" and 18"

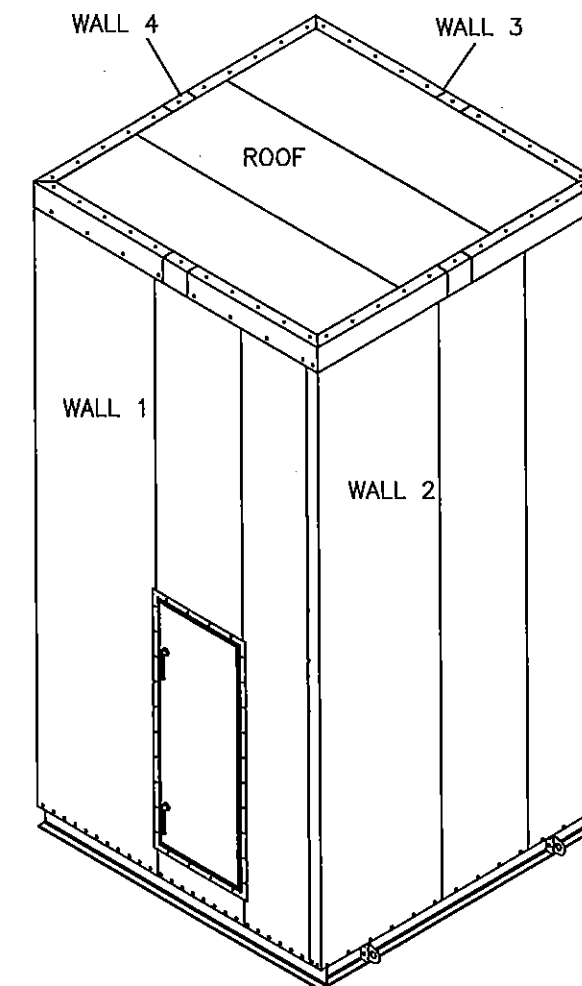
WALL CONSTRUCTION DETAIL (2)

Inner Skin 0.050" AL Material
Outer Skin 0.050" AL Material
1 Stiffeners per panel (Internal)
Hat Channels at external wall panel seams
Panel Widths: 33", 24" and 18"

ROOF CONSTRUCTION DETAIL

Inner AND Outer Skin 0.050" AL Material
1 Stiffener per panel (Internal)
No Hat Channel Up To 77"L X 25"W, The
Rest Follow Wall Panel Construction.

APPROVED MAX. SIZE FOR ROOF PANELS
At design wind load of 75 PSF for foam
and 48.75 PSF for fiberglass
(see Roof Construction details below)



NOTE:
UNIT CAN BE CONSTRUCTED WITH ANY ONE OF THESE
WALL CONSTRUCTION METHODS OR ANY COMBINATION OF
THESE CONSTRUCTION METHODS.
SEE ALLOWABLE DESIGN WIND LOAD FOR FOAM AND
FIBERGLASS. WHEN COMBINED THE ALLOWABLE DESIGN
WIND LOAD SHALL BE LIMITED TO FIBERGLASS AS DESIGN
LOAD (65 PSF FOR WALL AND 48.75 PSF FOR ROOF)

SHEET 1 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING, INC.
(CDA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION: TEST UNIT SPECIFICATION

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

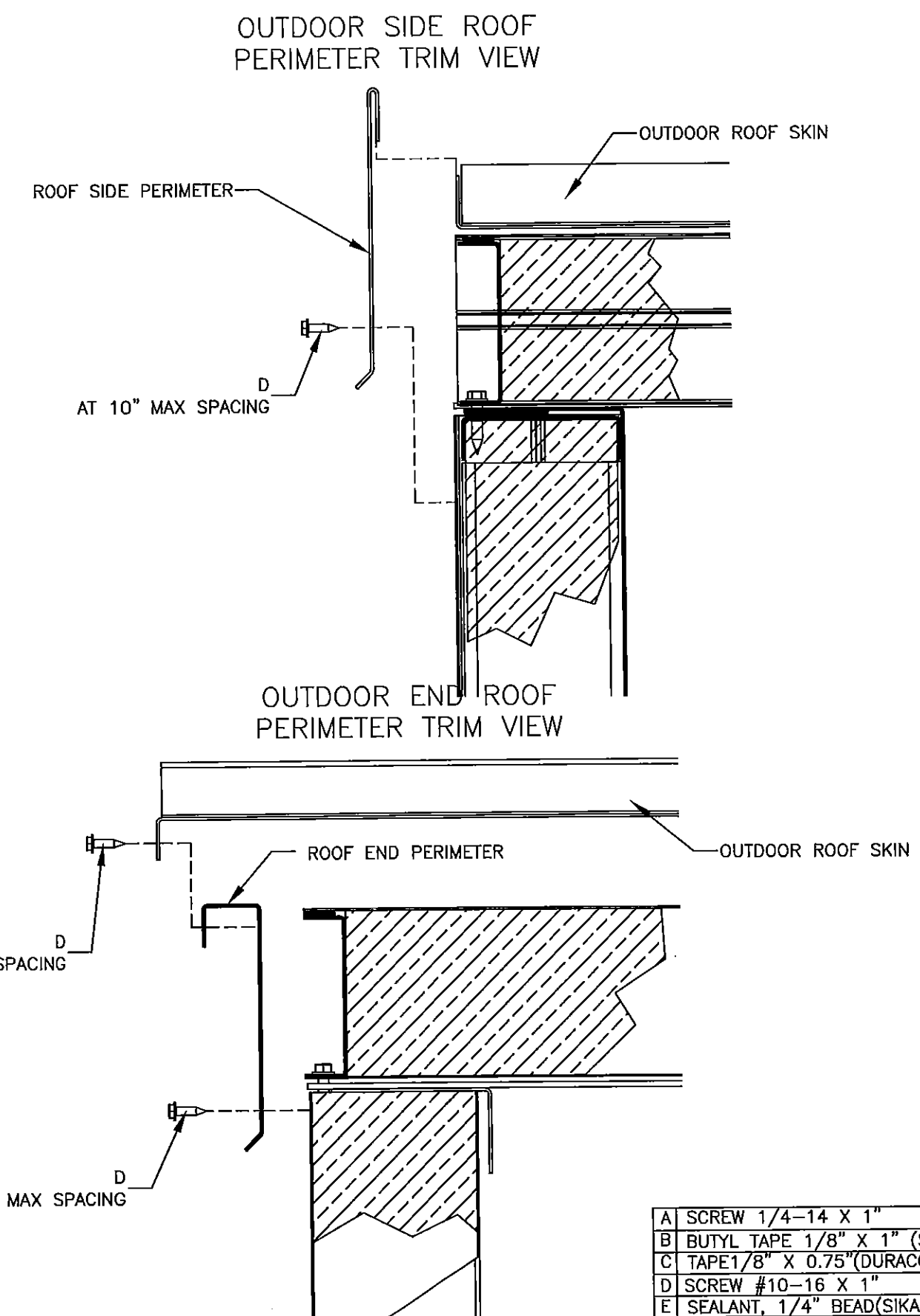
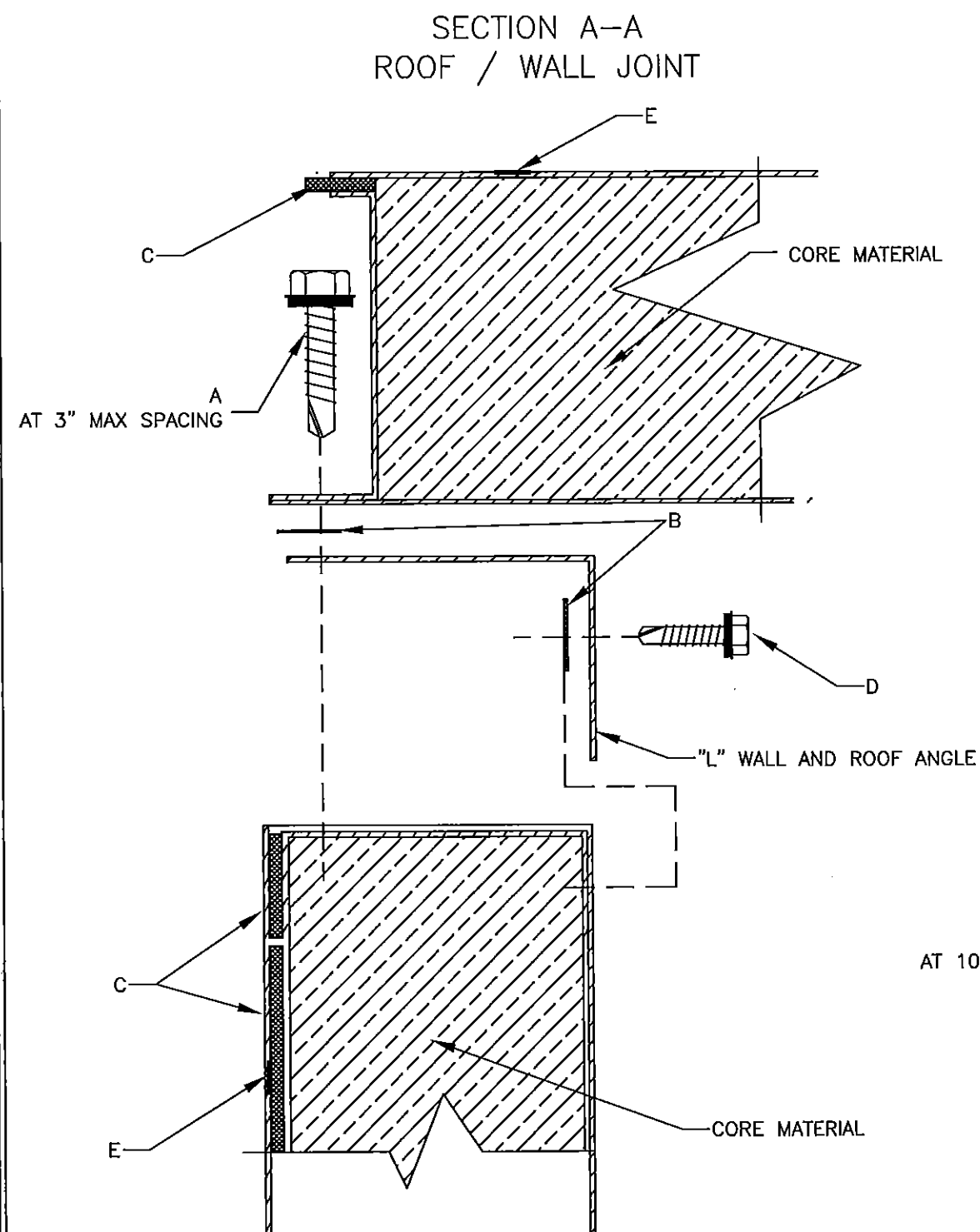
DWG #: S6538-0029

UNIT TAG:

SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units



A	SCREW 1/4-14 X 1"
B	BUTYL TAPE 1/8" X 1" (SIKA)
C	TAPE 1/8" X 0.75" (DURACO/STIKII)
D	SCREW #10-16 X 1"
E	SEALANT, 1/4" BEAD (SIKAFLEX)


SHEET 2 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
Scott Wolters
VOLTERS ENGINEERING, INC.
(CDA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
OCT 30 2014

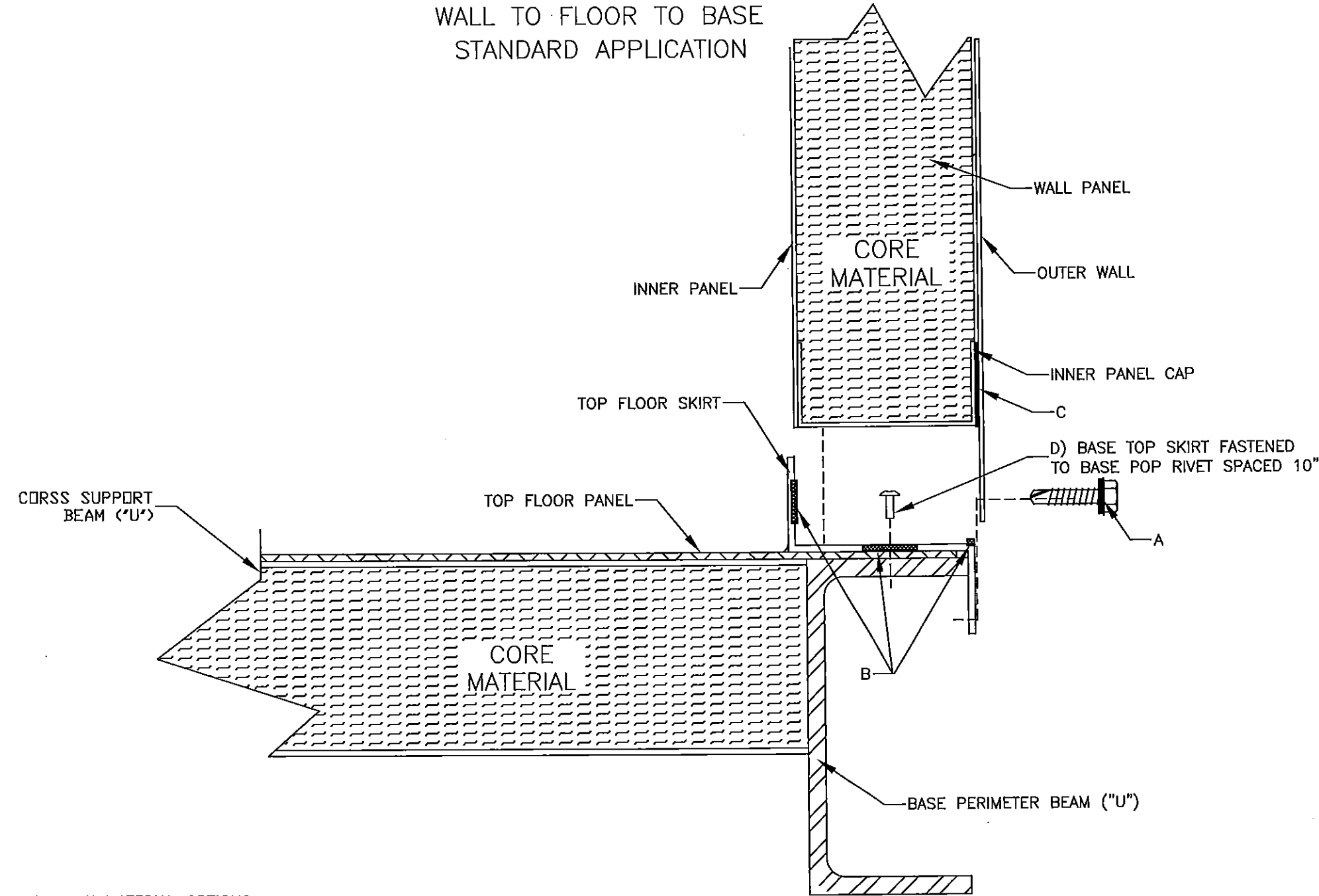
PROJECT: HURRICANE CERT
DESCRIPTION: ROOF/WALL JOINT
SALES OFFICE:

JOB NUMBER:
PROPOSAL#:
DWG #S6538-0029
UNIT TAG:
SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units

WALL TO FLOOR TO BASE
STANDARD APPLICATION



TYPICAL CORE MATERIAL OPTIONS
WALL: 2"-4" FOAM AND 4" FIBERGLASS
FLOOR: 2"-4" FOAM OR FIBERGLASS

SECTION B-B

A	SCREW 1/4-14 X 1"
B	SEALANT, 1/4" BEAD(SIKAFLEX)
C	TAPE 1/8" X 0.75"(DURACO/STIKII)
D	RIVET, 5/16 X 1"

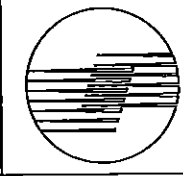
SHEET 3 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
OCT 30 2014

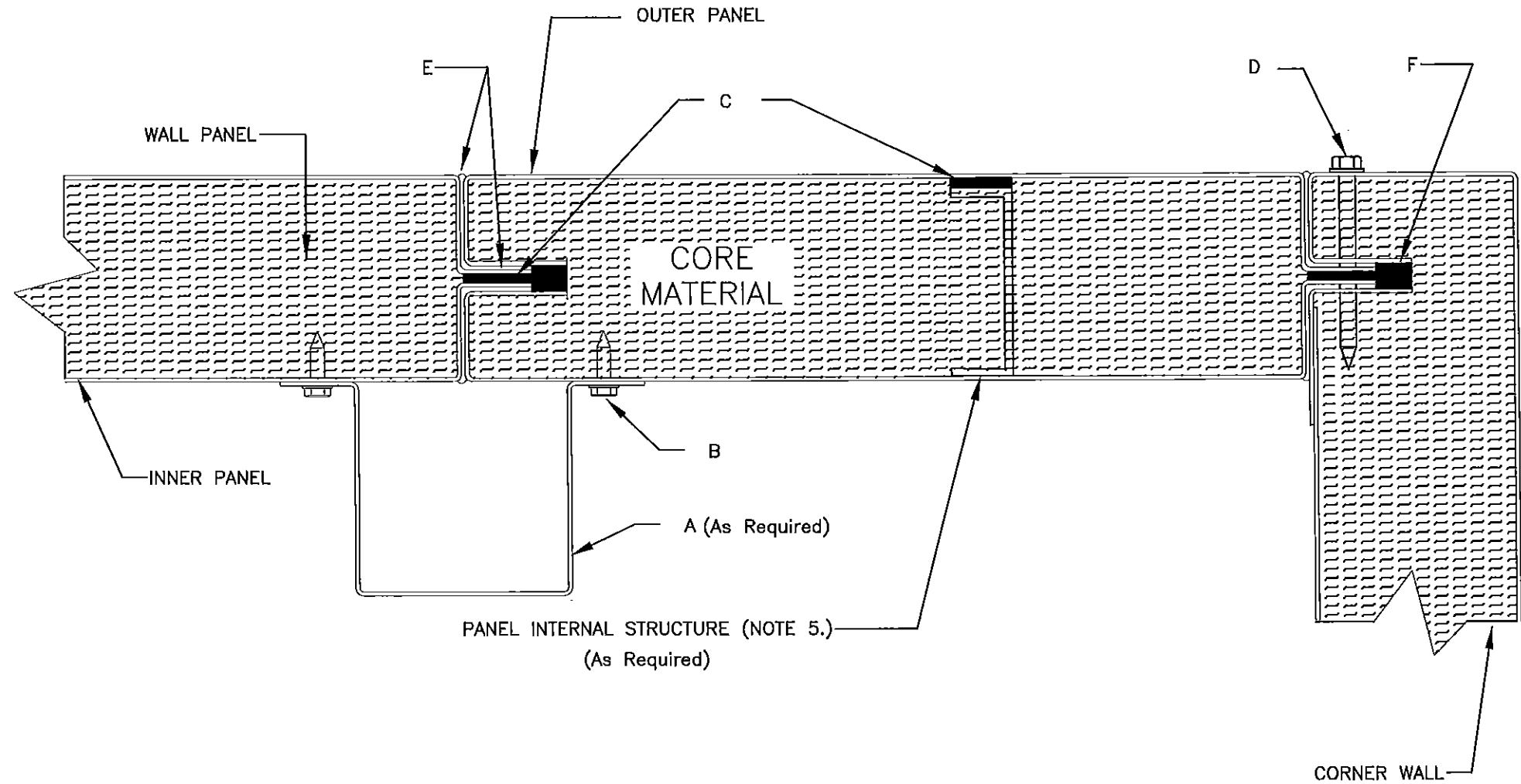
PROJECT: HURICANE CERT
DESCRIPTION:
SALES OFFICE:

JOB NUMBER:
PROPOSAL#:
DWG #1: S6538-0029
UNIT TAG:
SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units

TYPICAL WALL CASING DETAIL
SECTION C-C



NOTES:

1. DOUBLE WALL THICKNESS CAN BE FROM 2 TO 4 INCHES. FOR FOAM CORE MATERIAL AND 4" FOR FIBERGLASS.
2. FOR MAXIMUM ROOF/FLOOR & WALL PANEL SIZES AND DETAILS, (SEE SHT. 1).
3. MAXIMUM WIND LOAD FOR FOAM WALL AND FLOOR PANEL DESIGN IS 100 PSF.
4. MAXIMUM WIND LOAD FOR FOAM ROOF PANEL DESIGN IS 75 PSF.
5. MAXIMUM WIND LOAD FOR FIBERGLASS WALL AND FLOOR PANEL IS 65 PSF.
6. MAXIMUM WIND LOAD FOR FIBERGLASS ROOF PANEL DESIGN IS 48.75 PSF.
7. PANEL INTERNAL STRUCTURAL "C" CHANNELS ARE SPOT WELDED TO INSIDE SKIN.

SHEET 4 OF 13

A	HAT CHANNEL
B	SCREW #10-16 X 1"
C	TAPE 1/8" X 0.75" (DURACO/STIKII)
D	SCREW #10-16 X 3"
E	SEALANT, 1/4" BEAD (SIKAFLEX)
F	TAPE, 1/4" X 0.75" (DURACO/STIKII)

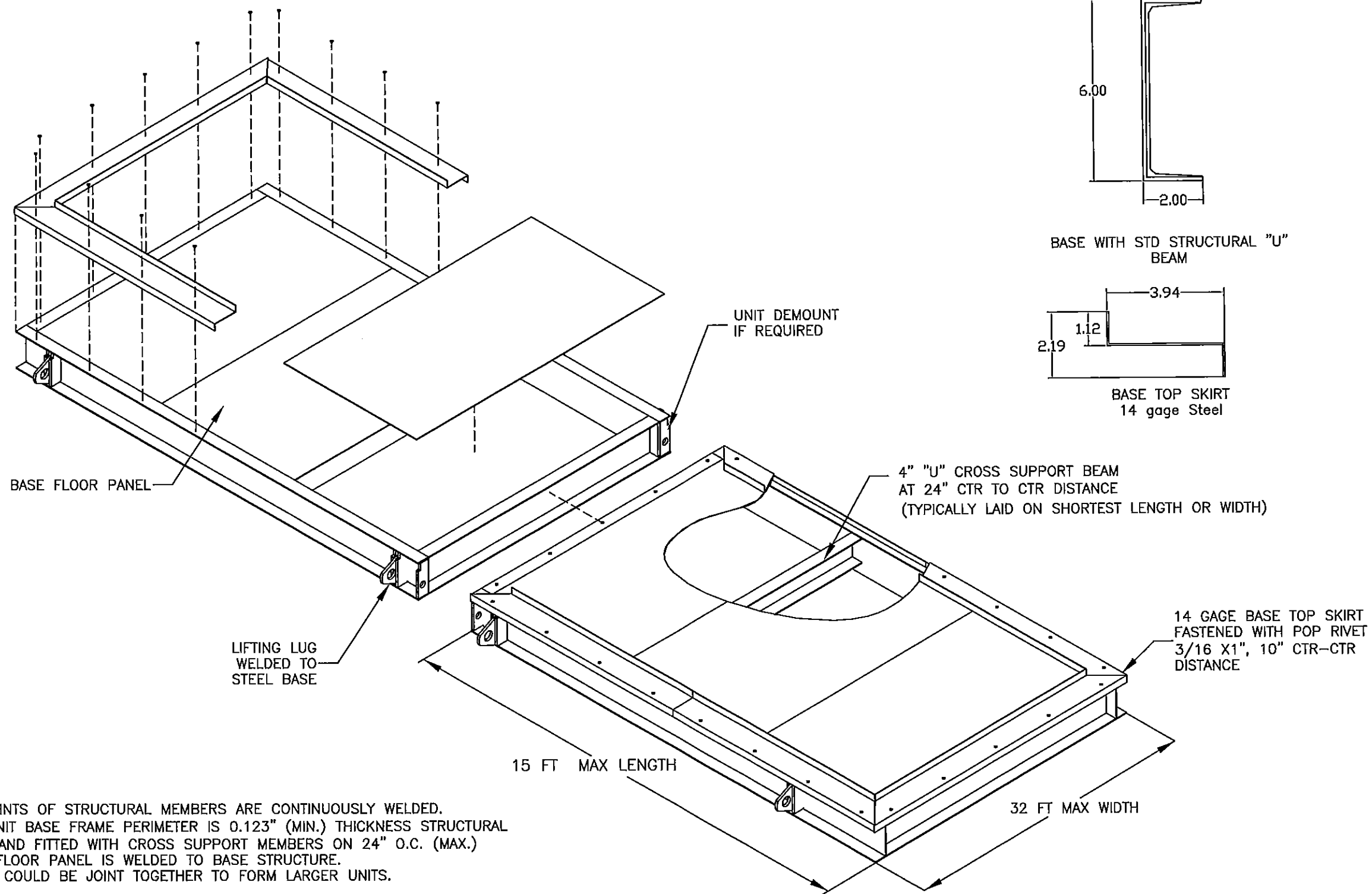
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PER 62354
WOLTERS ENGINEERING, INC.
(CDAB 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
OCT 30 2014

PROJECT: HURRICANE CERT
DESCRIPTION:
SALES OFFICE:

JOB NUMBER:
PROPOSAL #:
DWG #IS6538-0029
UNIT TAG:
SHIP WT:

 **TRANE CUSTOM**
Climate Changer™ Air Handler Units



NOTES:

1. ALL JOINTS OF STRUCTURAL MEMBERS ARE CONTINUOUSLY WELDED.
2. THE UNIT BASE FRAME PERIMETER IS 0.123" (MIN.) THICKNESS STRUCTURAL STEEL AND FITTED WITH CROSS SUPPORT MEMBERS ON 24" O.C. (MAX.)
3. BASE FLOOR PANEL IS WELDED TO BASE STRUCTURE.
4. BASES COULD BE JOINT TOGETHER TO FORM LARGER UNITS.

SHEET 5 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

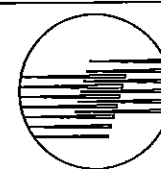
JOB NUMBER:

PROPOSAL#:

DWG #1 S6538-0029

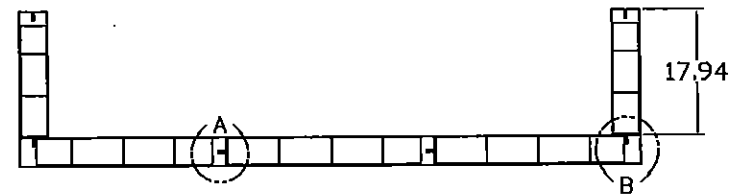
UNIT TAG:

SHIP WT:

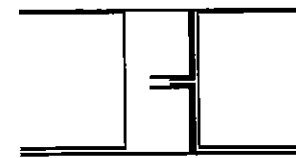
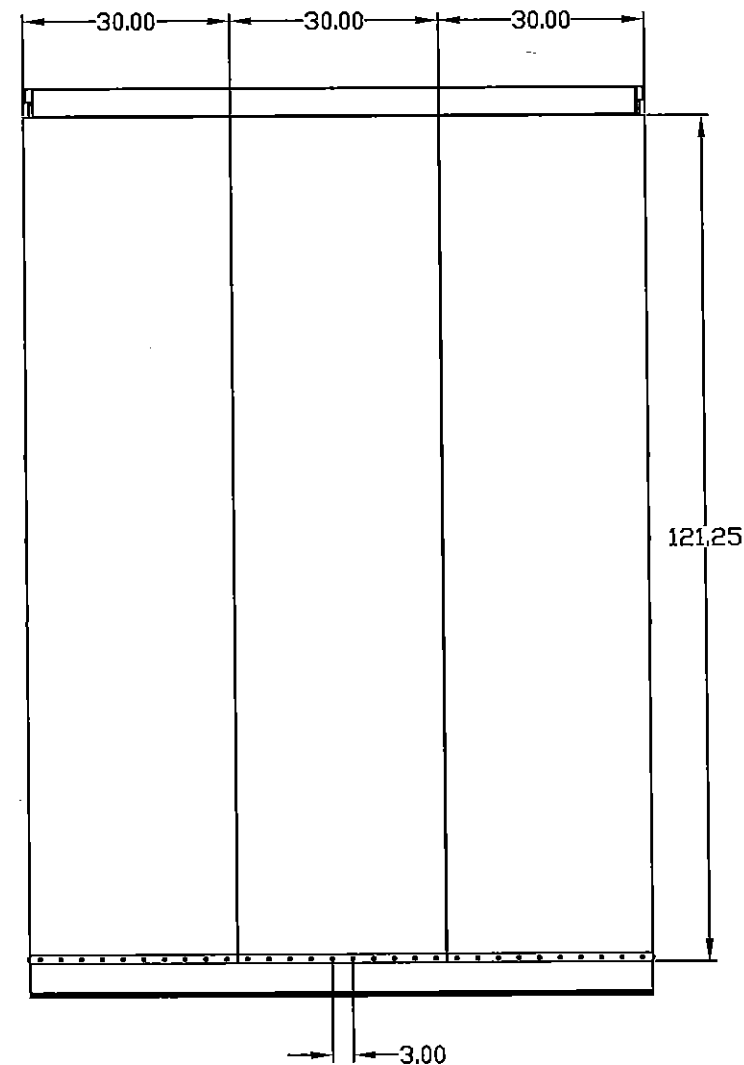


TRANE CUSTOM
Climate Changer™ Air Handler Units

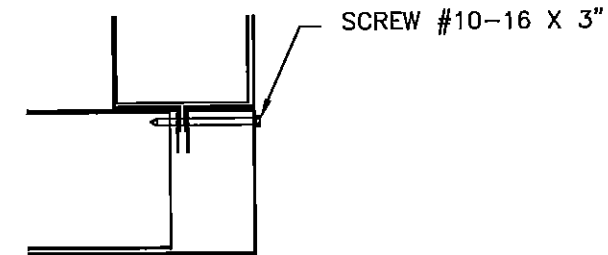
FIBERGLASS PANEL ASSEMBLY (WALL 5)



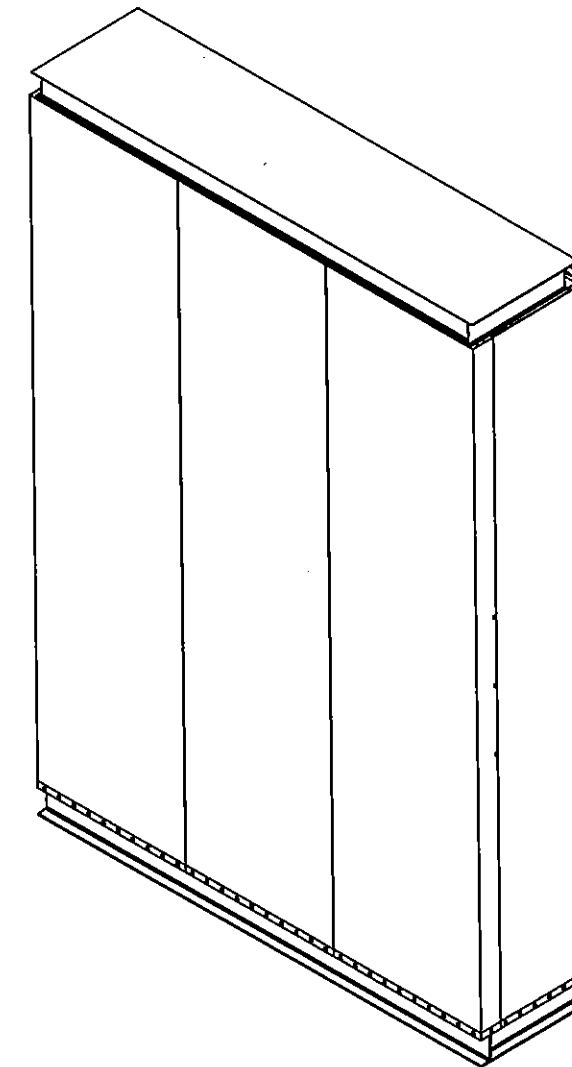
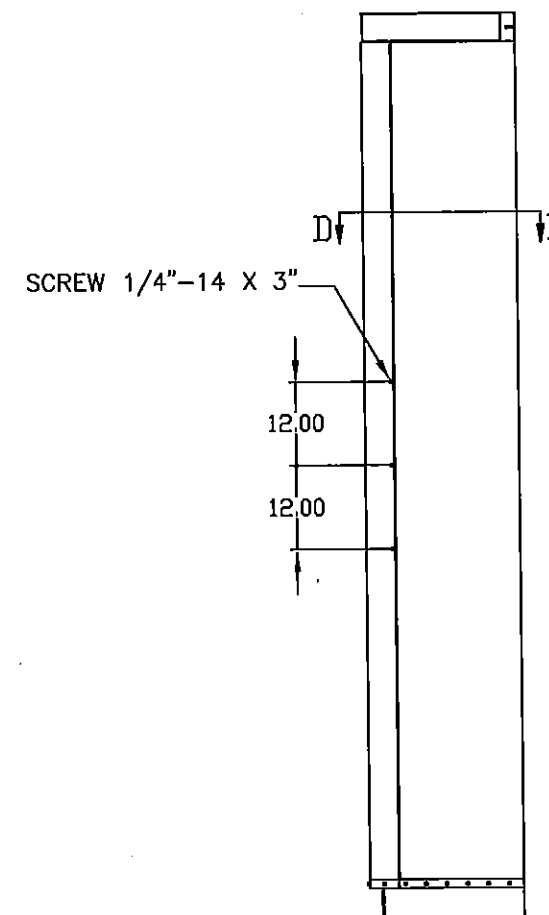
SECTION D-D



DETAIL A



DETAIL B



NOTES:
FIBERGLASS UNIT WALL PANEL MAXIMUM DESIGN WIND
LOAD 65 PSF
FIBERGLASS UNIT ROOF PANEL MAXIMUM DESIGN WIND
LOAD 48.75 PSF

WALL CONSTRUCTION DETAIL

4" Thick Solid Wall (1.5 lbs density Fiberglass
Insulation)
Inner Skin 20 ga Galvanized
Outer Skin 18 ga Galvanized

PANEL WIDTH	NUMBER OF INTERNAL STIFFENERS
18"	2
30"	3

SHEET 6 OF 13

WALL PANEL FASTENED TO BASE TOP SKIRT WITH 1/4"-14 X 1"

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WILTERS
FL PER 62354

SEAL:

WILTERS ENGINEERING, INC.
(CDA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

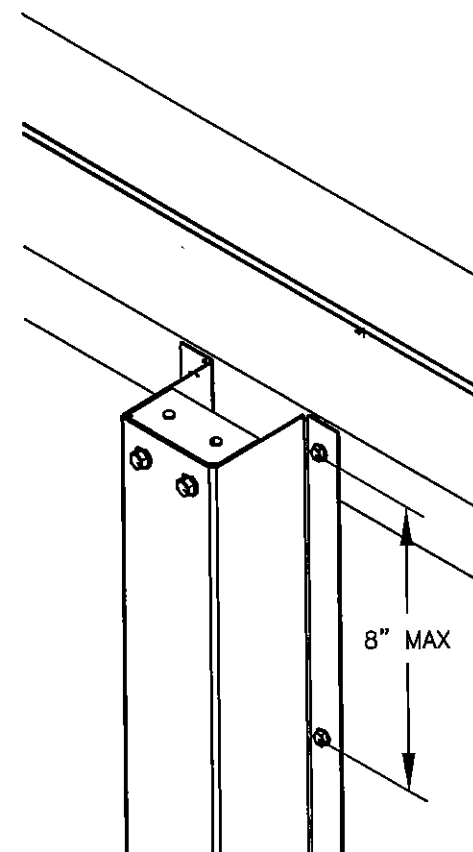
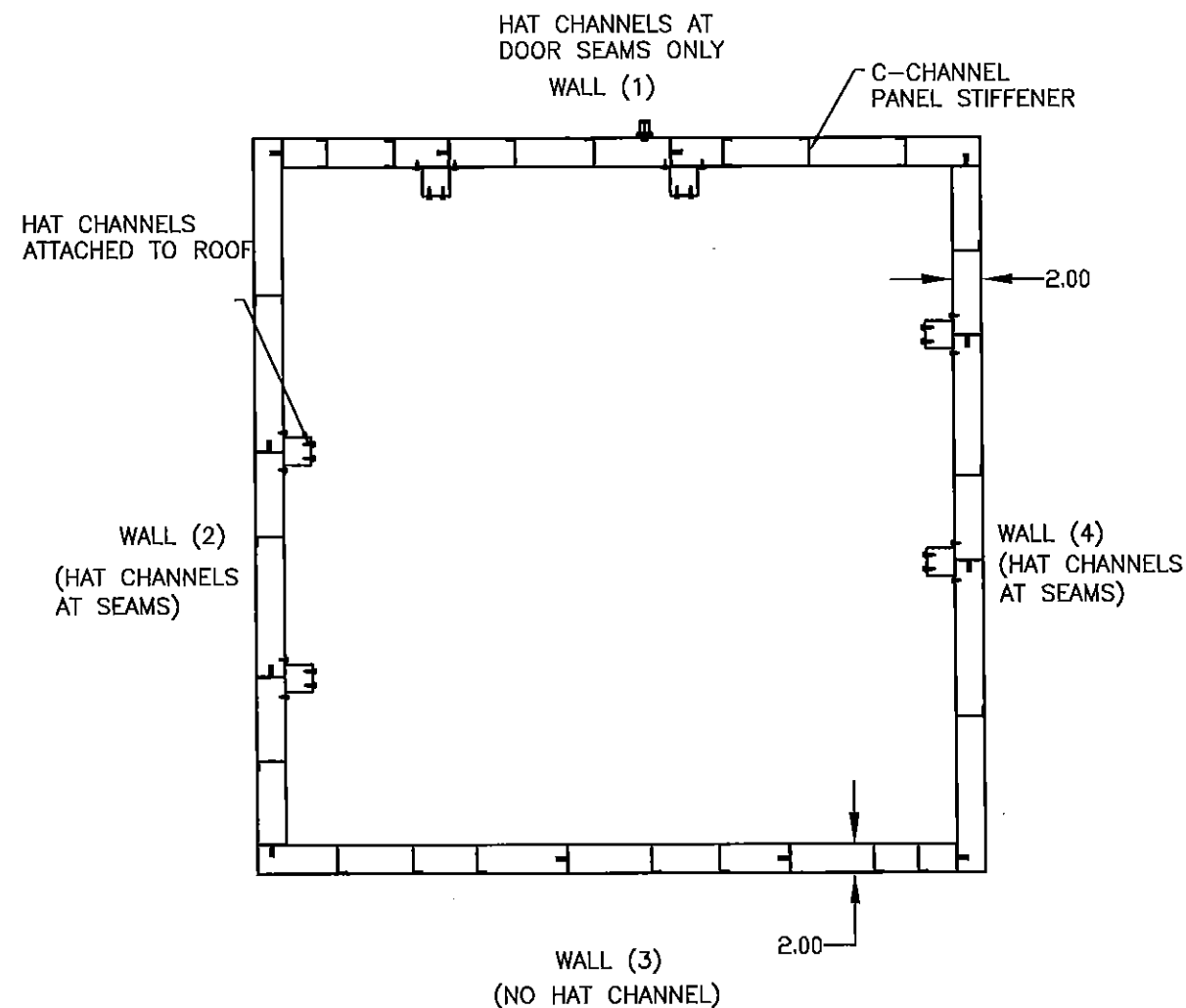
DWG #: S6538-0029

UNIT TAG:

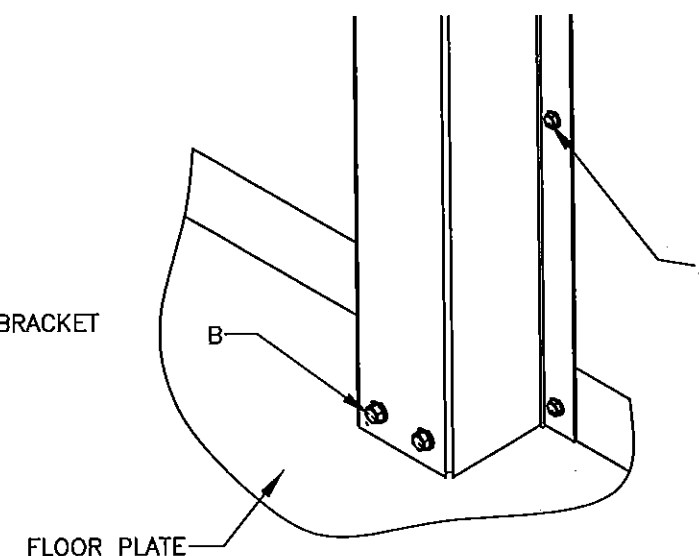
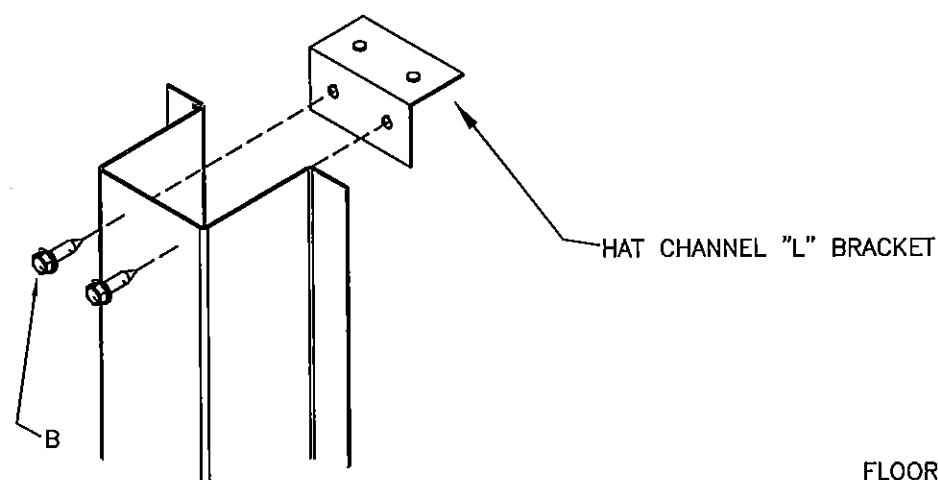
SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units



HAT CHANNEL
ATTACHED TO ROOF



HAT CHANNEL
ATTACHED TO BASE

- NOTE:
1. ROOF PANELS ARE HIDDEN FOR CLARITY.
 2. "L" ANGLES ARE FASTENED TO HAT CHANNELS AND ROOF AND BSE PANELS AS WELL

A	Screw #10-16 X 1"
B	Screw 1/4"-14 X 1"

SHEET 7 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING, INC.
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

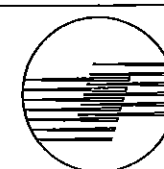
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PROPOSAL#:

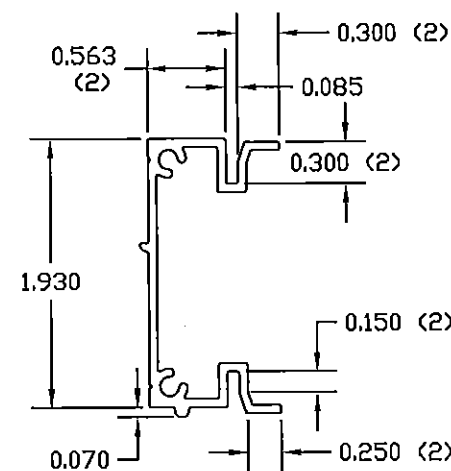
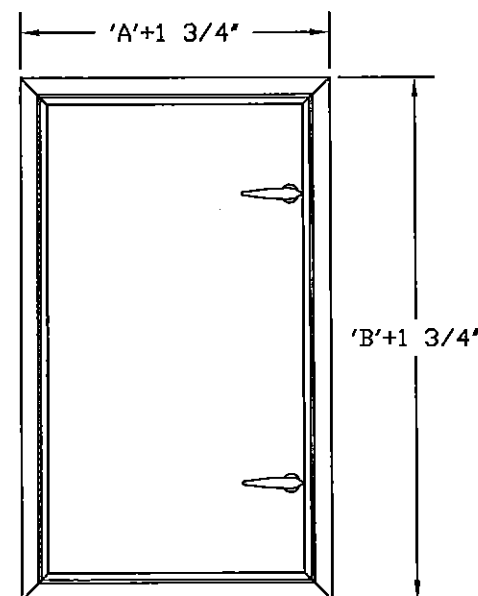
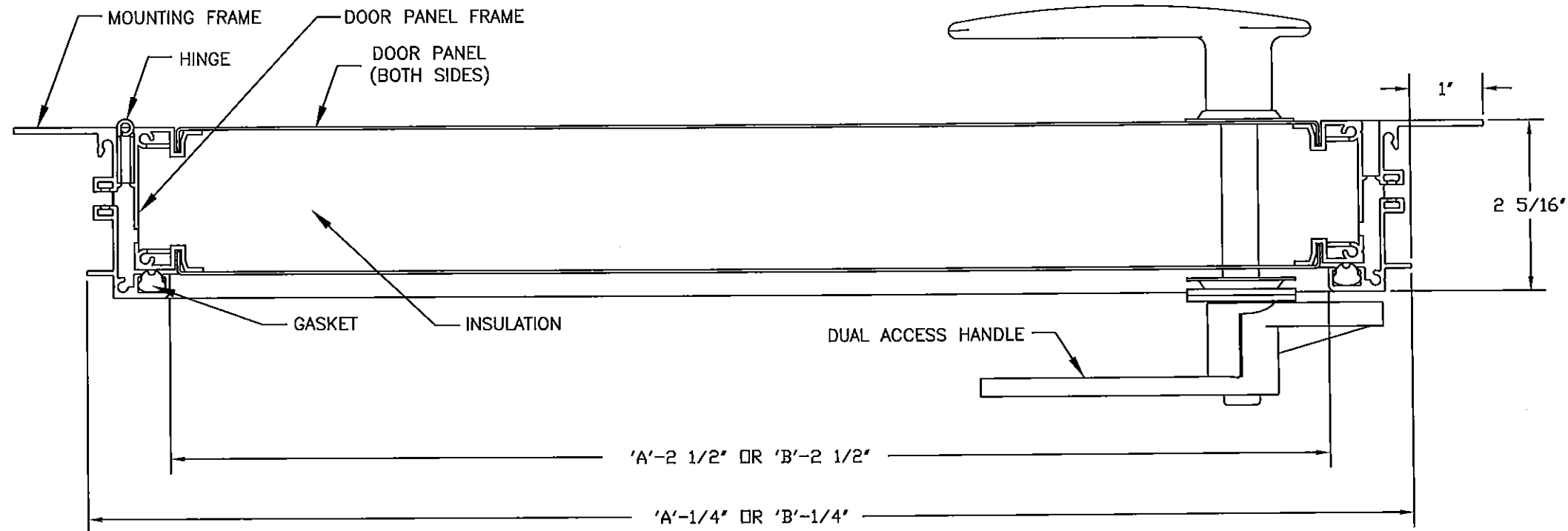
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UNIT TAG:

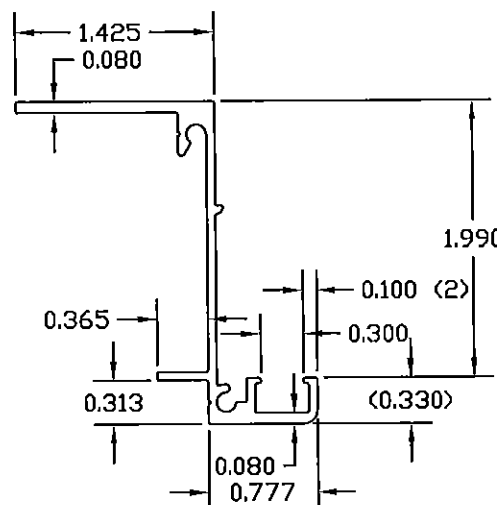
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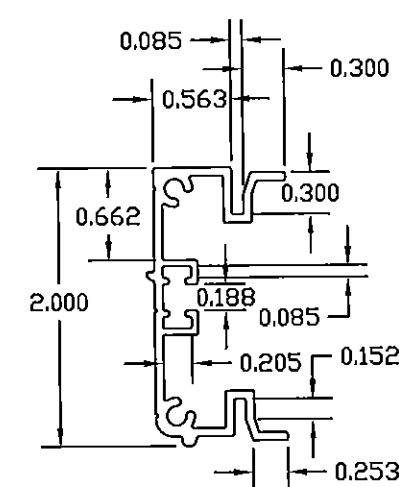
TRANE CUSTOM
Climate Changer™ Air Handler Units



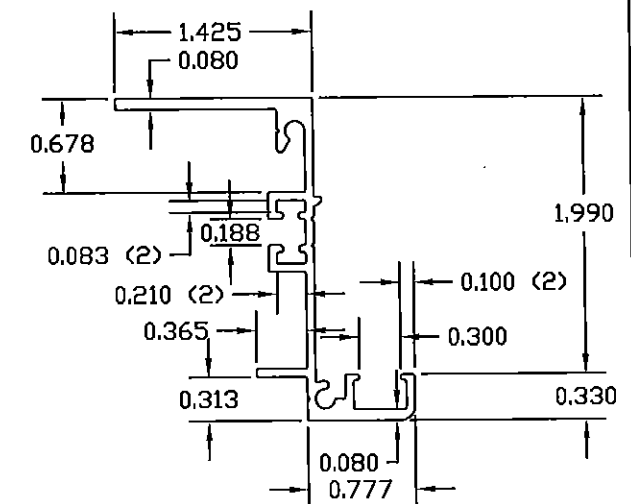
DOOR PANEL FRAME



OUT-OPNG. PA2N MOUNTING FRAME



DOOR PANEL FRAME



OUT-OPNG. DOOR MOUNTING FRAME

ALL MODEL DOORS ARE IN COMPLIANCE WITH UL 1995, 2nd EDITION, STANDARD FOR SAFETY HEATING AND COOLING EQUIPMENT, AND NFPA 90.

SHEET 8 OF 13

SPECIFICATIONS

MOUNTING FRAME
.080 6063-T5 EXTRUDED ALUMINUM

INSULATION
2-1/4" DENSITY, R13
POLYURETHANE FOAM

HINGE
.050 STAINLESS STEEL CONTINUOUS
TYPE

DOOR PANEL FRAME
.060 6063-T5 EXTRUDED ALUMINUM

HANDLES
DUAL ACCESS ZINC DIE CAST

DOOR PANELS
20 GA. GALVANIZED STEEL SHEET

GASKET
ONE PIECE SANTOPRENE

FINISH
MILL

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING, INC.
(CDA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

SEAL

Scott Wolters

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION: ITM4 DOOR

SALES OFFICE:

JOB NUMBER:

PROPOSAL #:

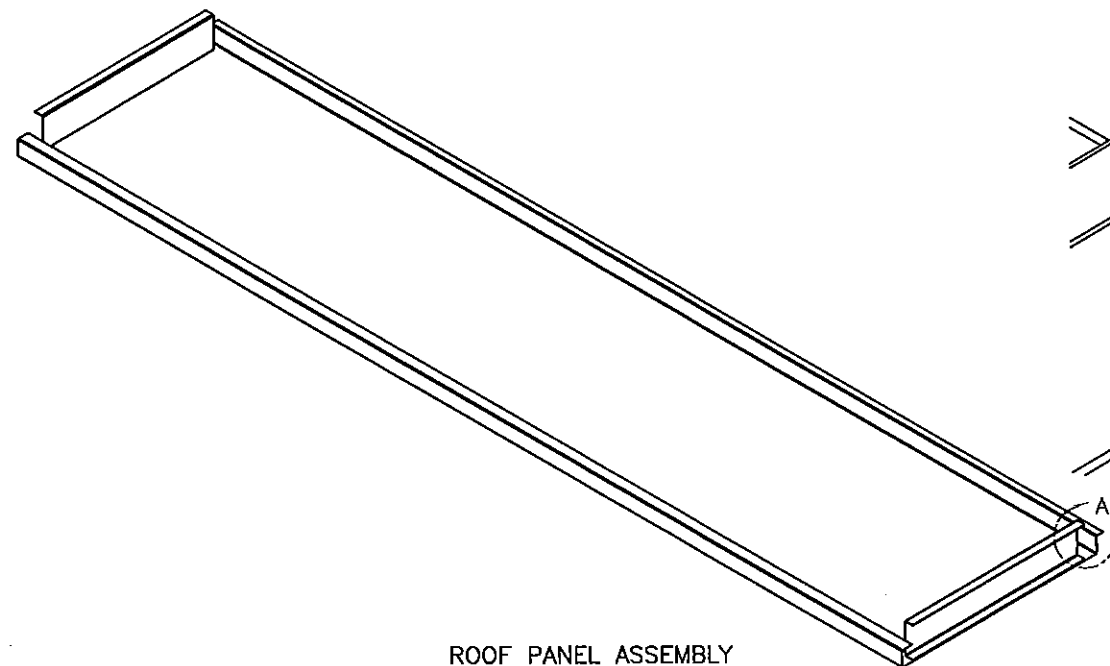
DWG # S6538-0029

UNIT TAG:

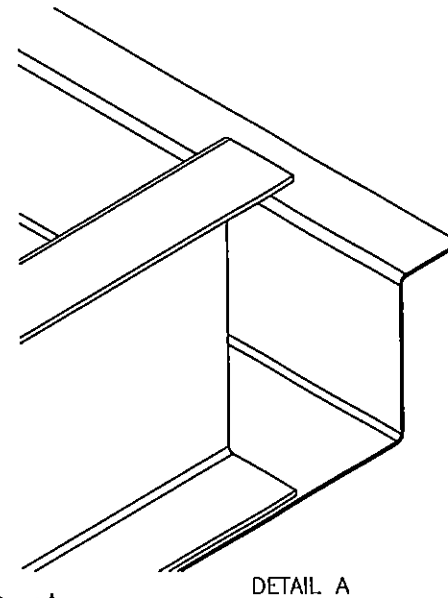
SHIP WT:



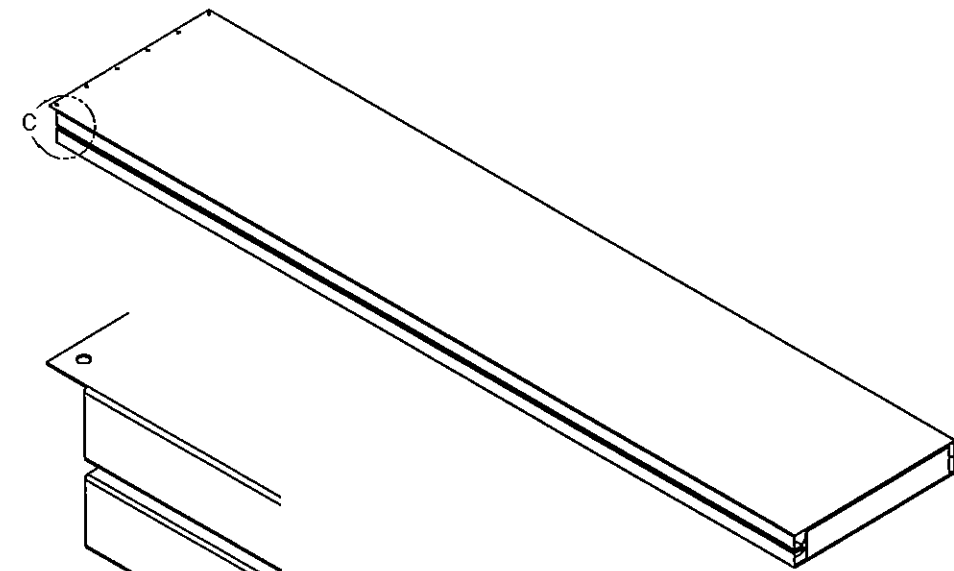
TRANE CUSTOM
Climate Changer™ Air Handler Units



ROOF PANEL ASSEMBLY

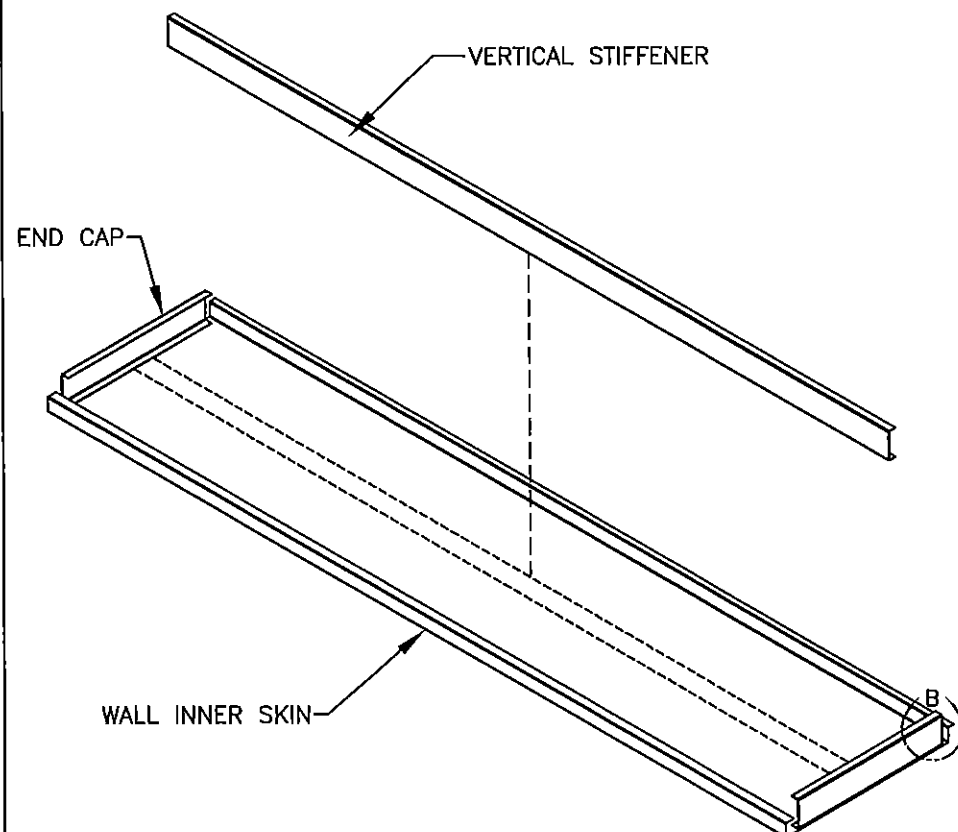


DETAIL A



DETAIL C

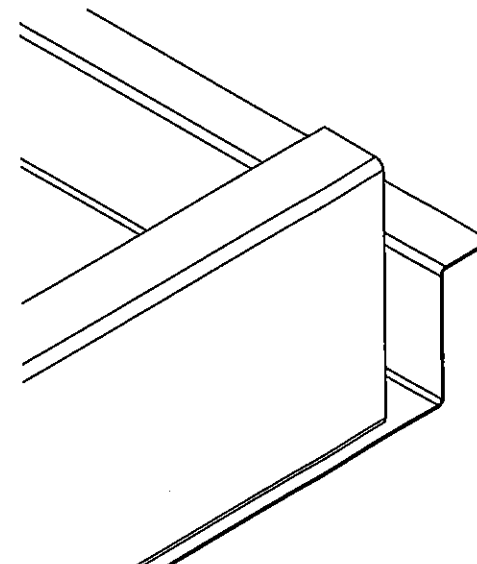
WALL PANEL BOTTOM VIEW



WALL INNER SKIN

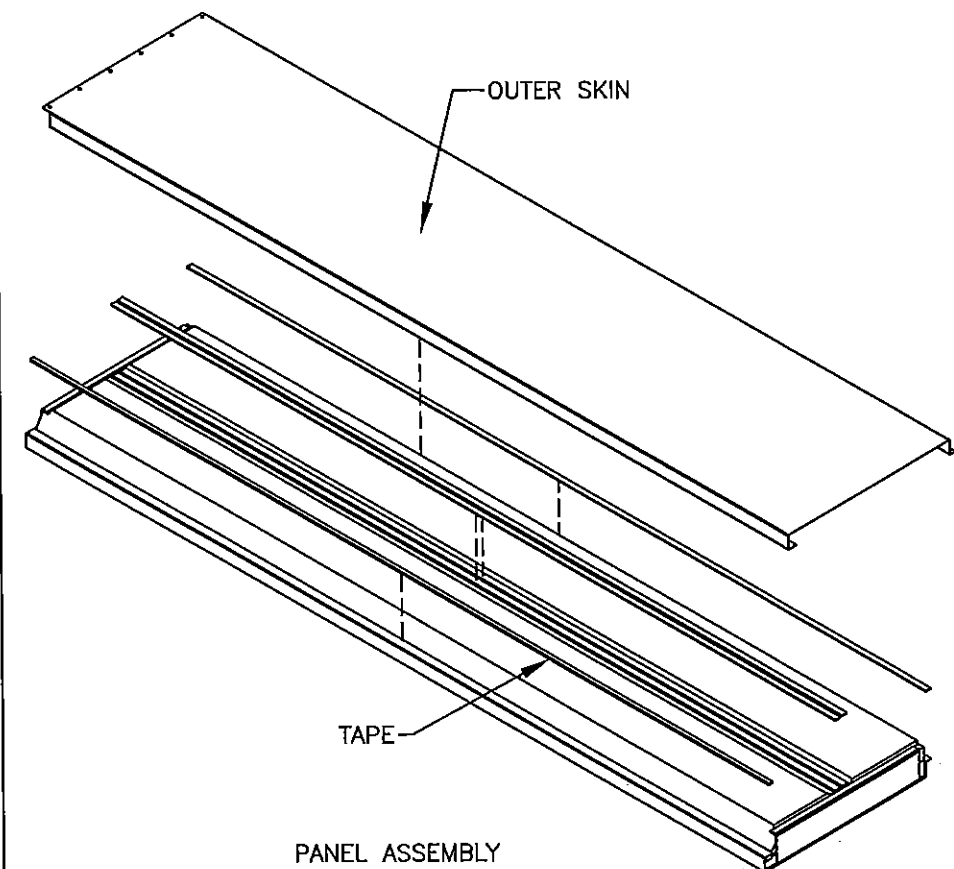
VERTICAL STIFFENER

END CAP



DETAIL B

- NOTE:
1. SPOTWELD VERTICAL STIFFENER(S) TO THE CENTER OF THE INNER PANEL
 2. IF MORE THAN ONE VERTICAL STIFFENER REQUIRED, SPACE THEM EVENLY



OUTER SKIN

TAPE

PANEL ASSEMBLY

SHEET 9 OF 13

WALL PANEL ASSEMBLY

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING, INC.
(COAN 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

NOT TO SCALE

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

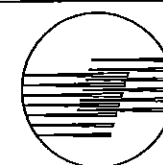
JOB NUMBER:

PROPOSAL#:

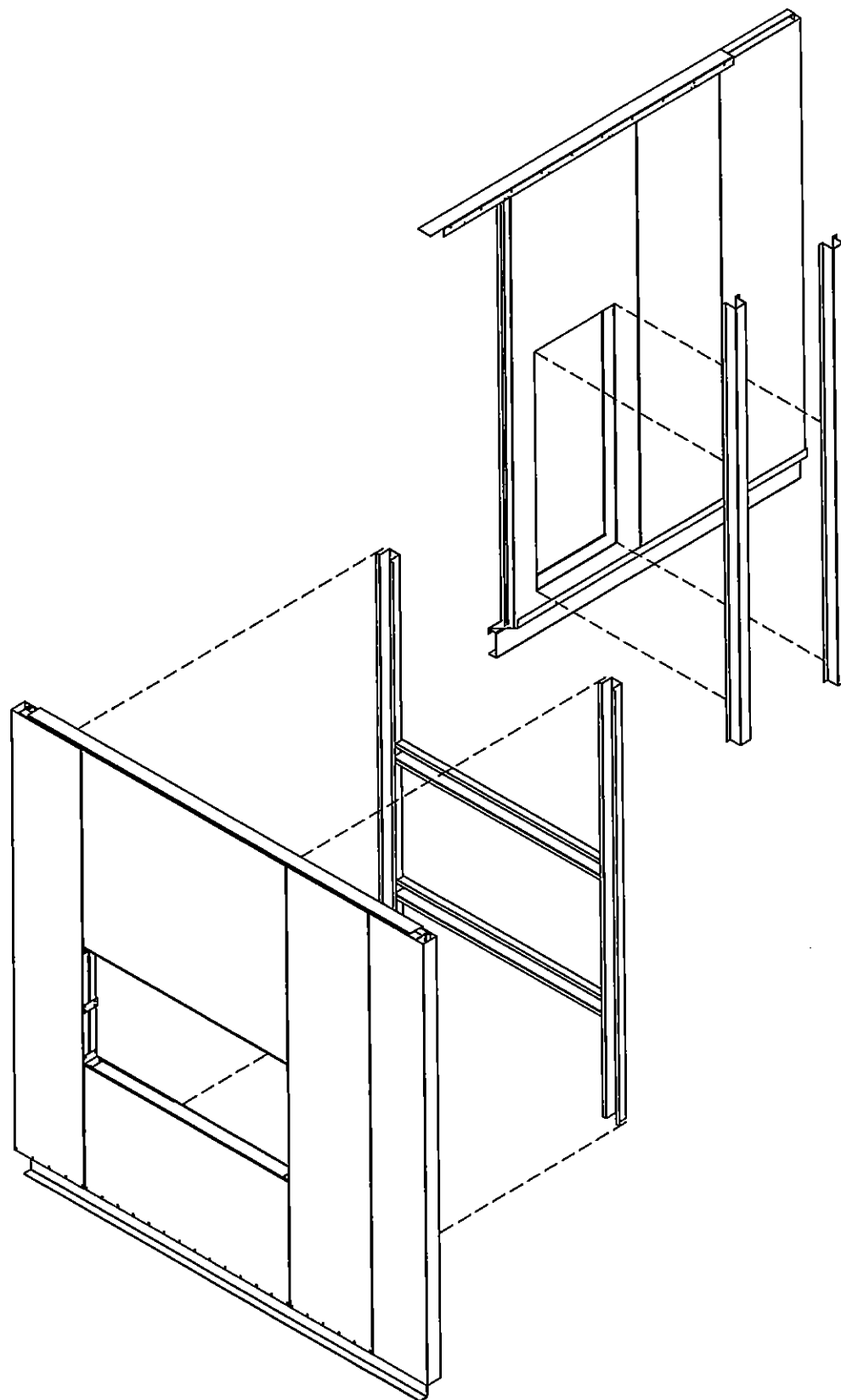
DWG #: S6538-0029

UNIT TAG:

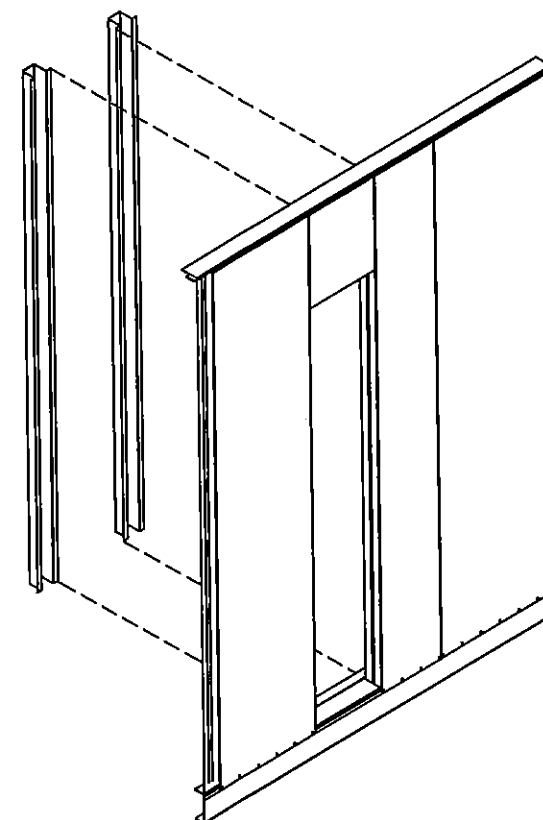
SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units



TYPICAL UNIT LAYOUT



NOTES:

1. OPENINGS WIDER THAN 24" WILL BE FRAMED AROUND
2. ONENINGS UP TO 24" WIDE GET VERTICAL HAT CHANNELS AT BOTH ENDS OF THE OPENINGS.
3. DOOR FRAME, REMOVEABLE PANELS, DAMPERS AND OTHER COMPONENT WILL BE FASTENED TO THE OPENINGS USING 1/4-14-1" SCREWS AT 10" MAX SPACING.

SHEET 10 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

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WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

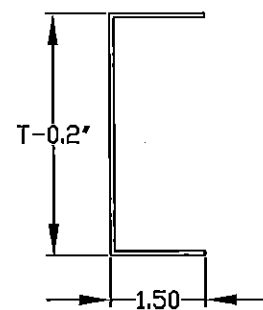
DWG #1 S6538-0029

UNIT TAG:

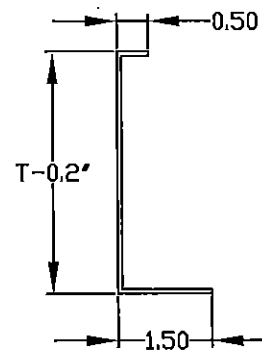
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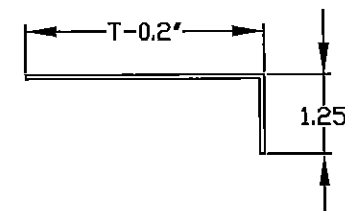
TRANE CUSTOM
Climate Changer™ Air Handler Units



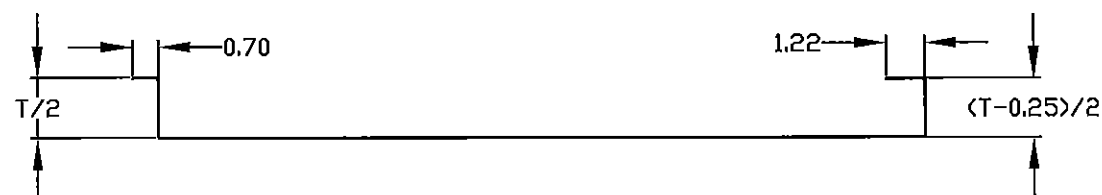
WALL PANEL END CAPS AND ALL
INTERNAL VERTICAL STIFFENERS
18 GAGE MIN
MATERIAL TYPE WILL BE THE SAME
AS THE PANEL INNER SKIN MATERIAL
TYPE.



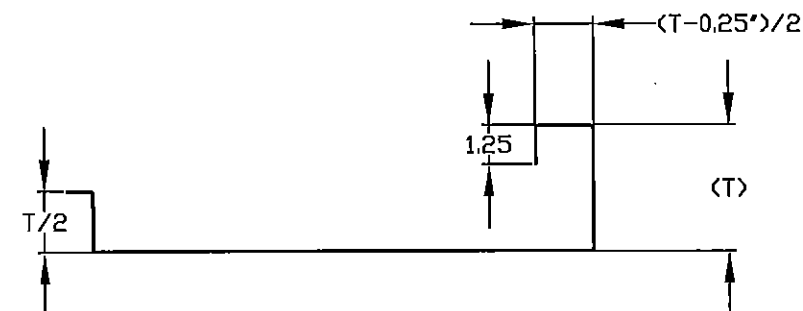
ROOF PANEL END CAP
18 GAGE MIN
MATERIAL TYPE WILL
BE THE SAME AS THE
PANEL INNER SKIN
MATERIAL TYPE.



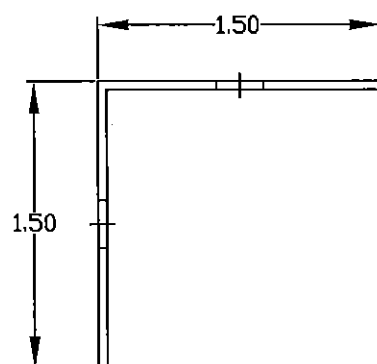
WALL / ROOF TOP "L" ANGLE
18 GAGE MIN



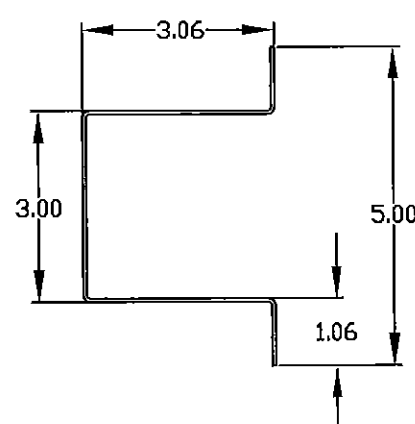
STANDARD PANLE PROFILE



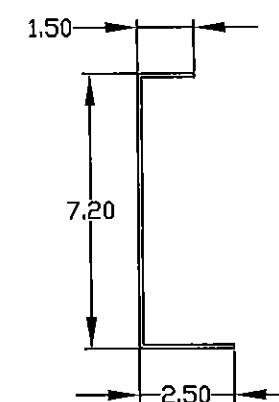
CORNER PANLE PROFILE



HAT CHANNEL "L" BRACKET
18 GAGE MIN



HAT CHANNEL
18 GAGE MIN



MULTIPLE ROOF JOINT
BACK TO BACK CHANNEL
10 GAGE MIN

- NOTES:
1. T="PANEL THICKNESS"
 2. ALL OTHER MATERIALS WILL
BE STEEL.

SHEET 11 OF 13

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WEST PALM BEACH, FL 33412

OCT 30 2014

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #1 S6538-0029

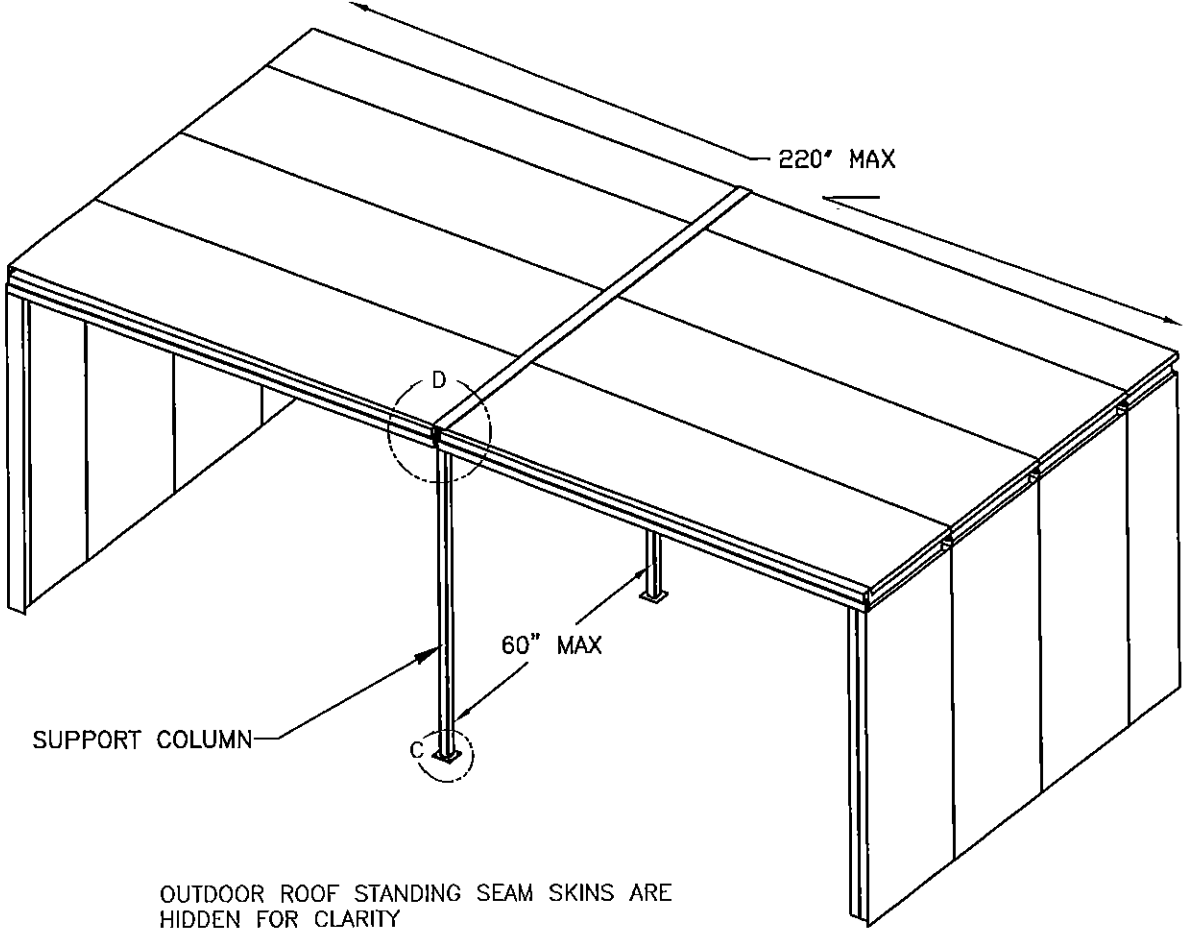
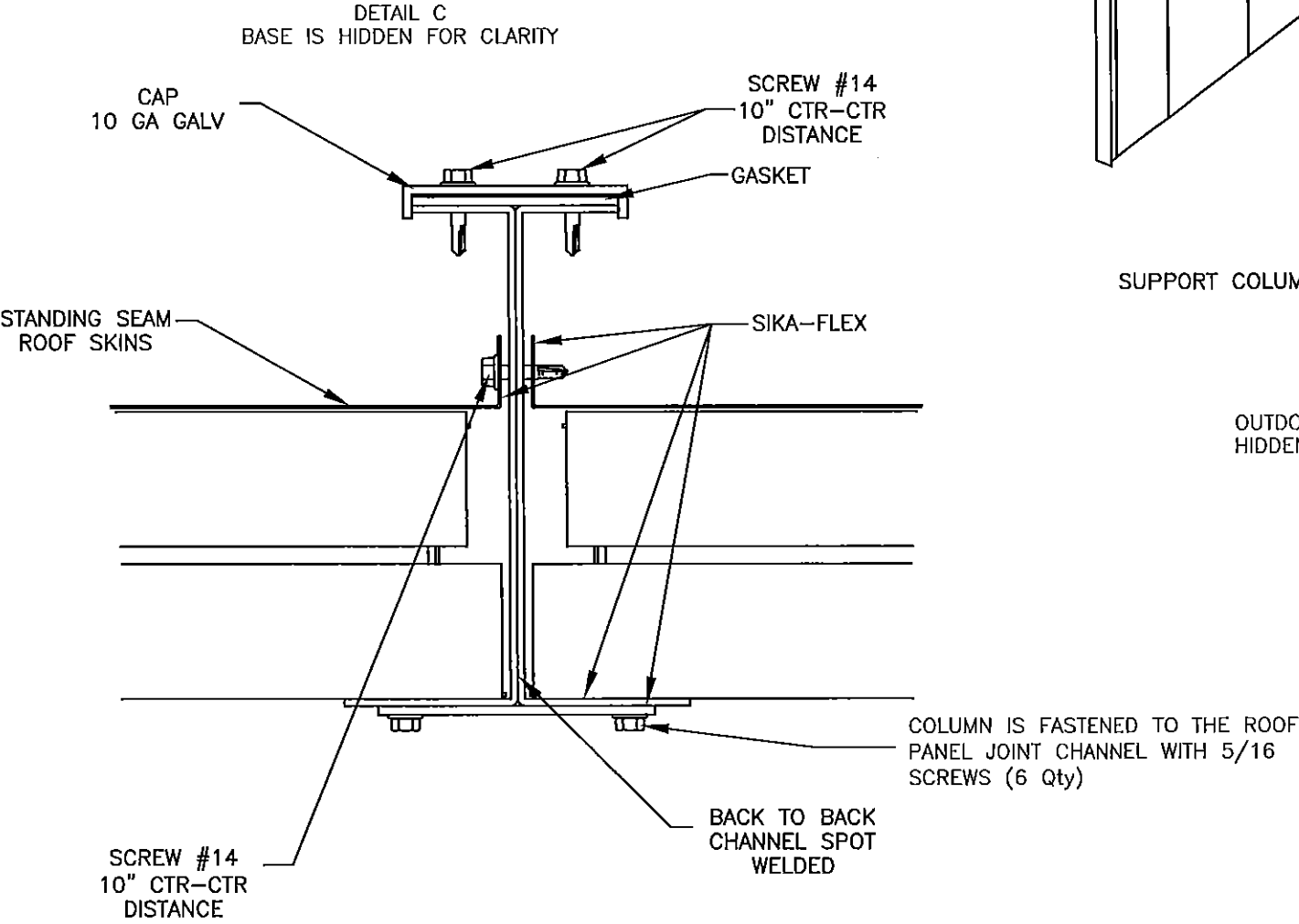
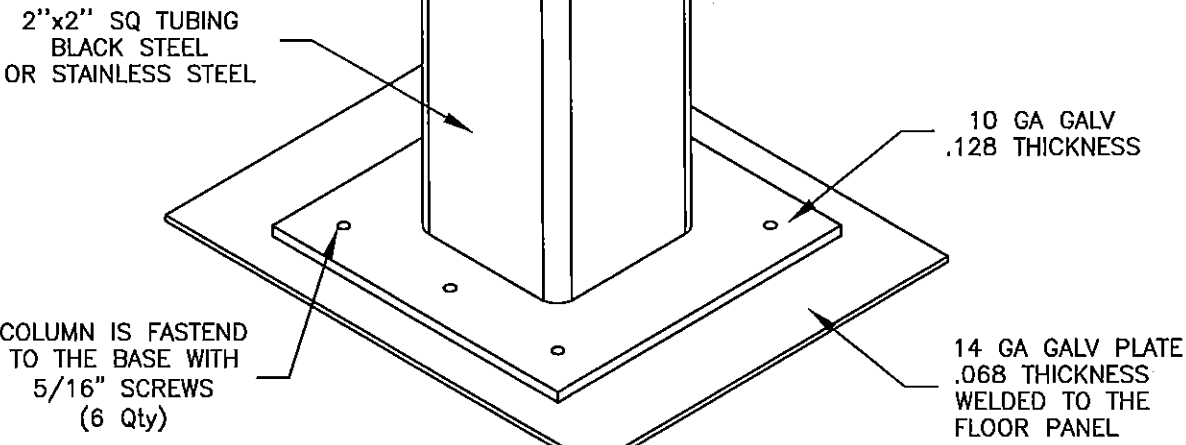
UNIT TAG:

SHIP WT:




TRANE CUSTOM
Climate Changer™ Air Handler Units

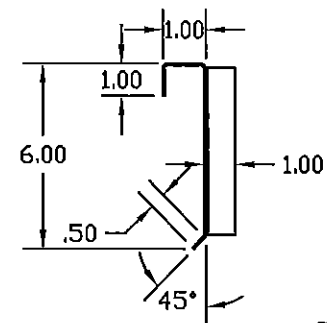
MULTIPLE ROOF PANEL LAYOUT WITH SUPPORT



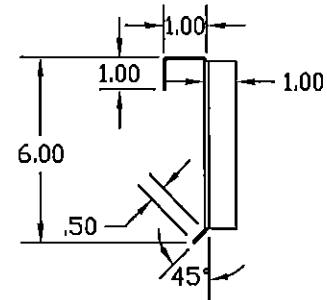
NOTES:
1. SINGLE LENGTH ROOF WILL NOT REQUIRE THE SUPPORT
COLUMN.

SHEET 12 OF 13

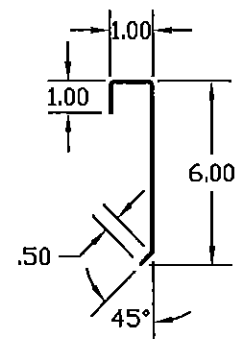
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES		
ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING, INC. (CDA# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 OCT 30 2014	PROJECT: HURRICANE CERT DESCRIPTION: SALES OFFICE:	JOB NUMBER: PROPOSAL #: DWG #: S6538-0029 UNIT TAG: SHIP WT:
		 TRANE CUSTOM Climate Changer™ Air Handler Units



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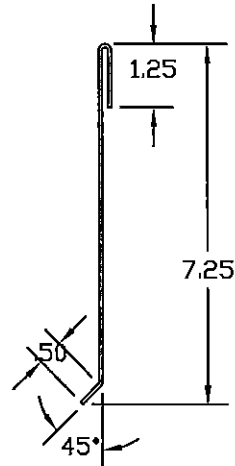


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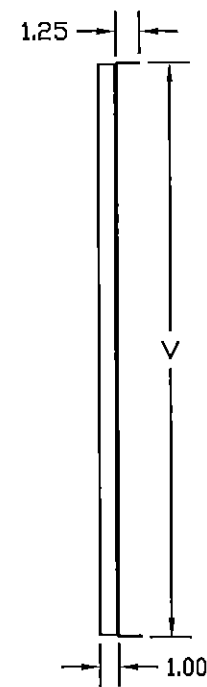
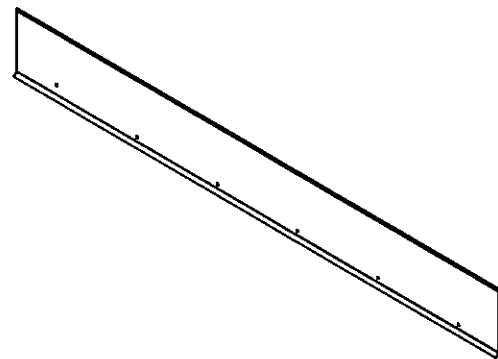


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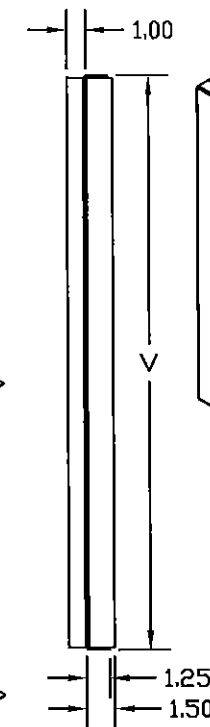
ROOF END PERIMETER TRIM
18 GAGE MIN



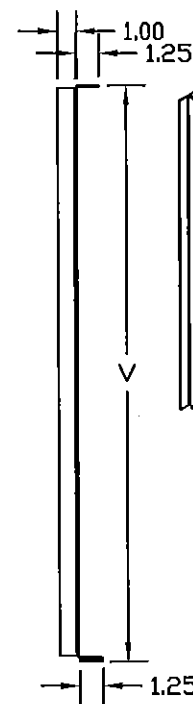
ROOF SIDE PERIMETER TRIM
18 GAGE MIN



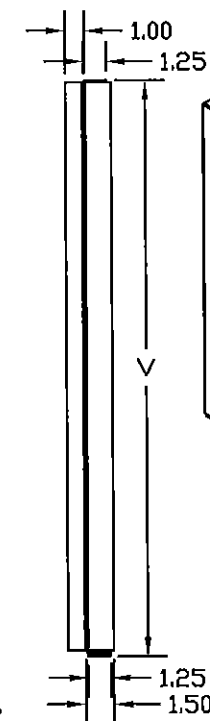
SINGLE ROOF SKIN STARTER PANEL
18 GAGE MIN



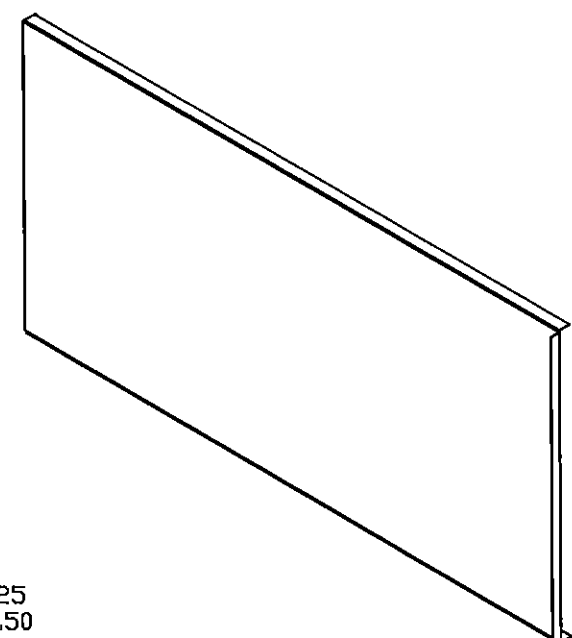
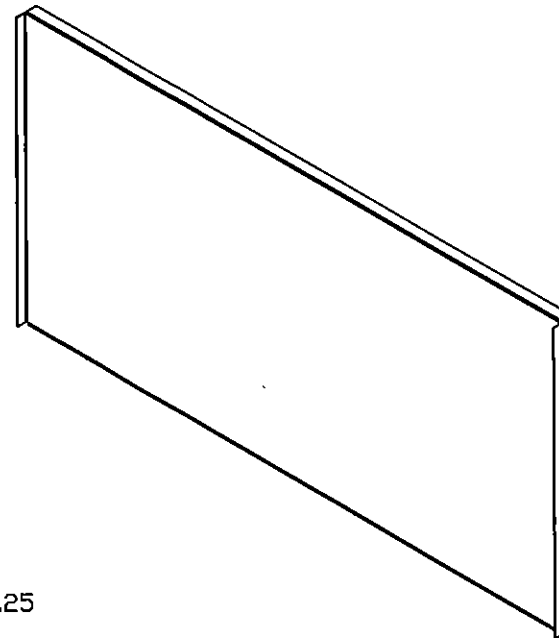
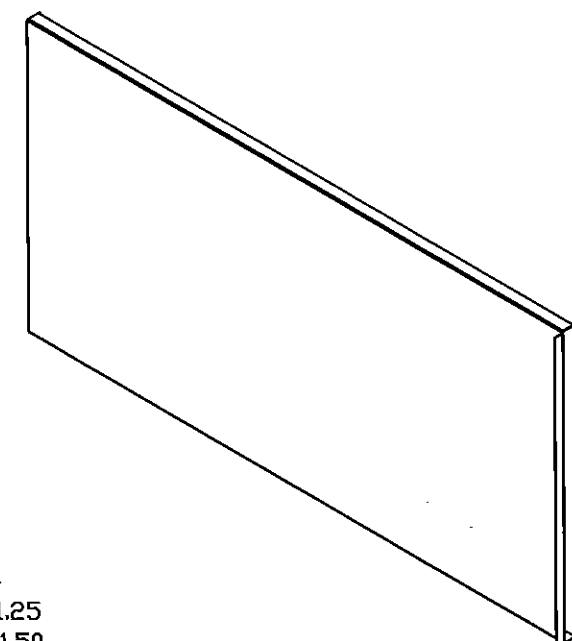
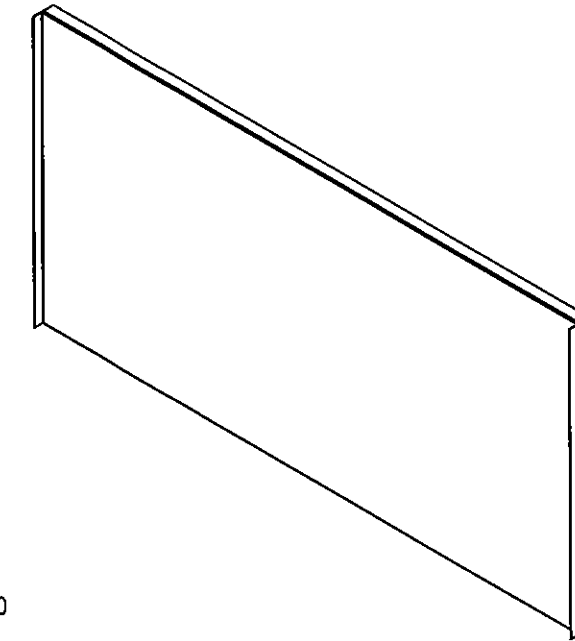
MULTIPLE ROOF SKIN STARTER PANEL
18 GAGE MIN



SINGLE ROOF SKIN STANDARD PANEL
18 GAGE MIN



MULTIPLE ROOF SKIN STANDARD PANEL
18 GAGE MIN



NOTE:
ALL PARTS ARE MADE OF GALVANIZED
STEEL

SHEET 13 OF 13

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